Biobehavioral Reviews, Vol. 1, Copyright © 1977 ANKHO International Inc. Printed in the U.S.A.

BIOBEHAVIORAL REVIEWS

VOLUME 1, 1977

SUBJECT INDEX

Acetylcholine
  biphasic action of ethanol, 231
  midbrain-raphe model of tonic immobility, 35
ACTH
  mechanism of action in the brain and behavior, 15
Age
  obligatory growth factor, 207
Aggression
  laboratory measurement of human anger, 241
Alcohol
  barbiturates and alcohol consumption, 177
Amino acid uptake
  memory formation, 113
Amnesia
  mechanisms in retrograde amnesia, 25
Amobarbital
  barbiturates and alcohol consumption, 177
Amphetamine
  rate-dependent effects and behavioral competition, 87
Analysis of covariance
  ratio data in pharmacological studies, 55, 225
Analysis of variance
  ratio data in pharmacological studies, 55, 225
Animal hypnosis
  midbrain-raphe model of tonic immobility, 35
Attack
  laboratory measurement of human anger, 241
Axoplasmic transport
  HRP methodology, 45
Autonomic nervous system
  stress and development of hypertension, 165

Barbital
  barbiturates and alcohol consumption, 177
Behavior
  ACTH, 15
  biphasic action of ethanol, 231
Behavioral competition
  amphetamine and rate-dependent effects, 87
Behavioral stress
  development of hypertension, 165
Benzodiazepines
  behavioral effects, 71
Biogenic amines
  female sexual behavior, 213
  mechanisms in retrograde amnesia, 25
Biting
  laboratory measurement of human anger, 241
Blood pressure
  stress and development of hypertension, 165
Body fluid balance
  physiological control of drinking, 261
Brain
  dorsal lateral geniculate nucleus, 95
  hippocampus geniculate, 95
  hypothalamus, 143
  medial geniculate, 95
  mesencephalic reticular formation, 95
  pulvinar geniculate, 95
  raphe nuclei, 35
  superior colliculus, 95
  ventral lateral geniculate nucleus, 95
Brain lesions
  physiological control of drinking, 261
Brain stimulation
  memory facilitation and reinforcement, 143
Brain weight deficits
  prenatal heat stress, 1

Cardiovascular system
  stress and development of hypertension, 165
Catatonia
  midbrain-raphe model of tonic immobility, 35
Catecholamines
  mechanisms in retrograde amnesia, 25
  midbrain-raphe model of tonic immobility, 35
Central nervous system
  analgesia, 137
Citric acid
  barbiturates and alcohol consumption, 177
Computer simulation
  ratio data, 225
Conditioned behavior
  behavioral effects of benzodiazepines, 71
Critical periods
  prenatal heat stress, learning deficits and brain growth, 1
Cyclic AMP
  ACTH mechanism of action, 15

Data transformations
  ratio data in pharmacological studies, 55, 225
Depression
  biphasic action of ethanol, 231
Deprivation
  age and obligatory growth factor, 207
Diazepam
  barbiturates and alcohol consumption, 177
DNA deficit
  prenatal heat stress, 1
Dopamine
  ACTH mechanism of action, 15
Dorsal lateral geniculate nucleus
  visual system evoked after-discharges, 95

Drinking
barbiturates and alcohol consumption, 177
physiological control of drinking, 261
Drug
amobarbital, 177
amphetamine, 87
barbital, 177
benzodiazepines, 71
diazepam, 177
methaqualone, 177
methyprylon, 177
phenobarbital, 177
reserpine, 25

ECS
mechanisms in retrograde amnesia, 25
EEG activity
biphasic action of ethanol, 231
Efferent inhibition
midbrain-raphe model of tonic immobility, 35
Emotion
laboratory measurement of human anger, 241
Endogenous polypeptides
analgesia, 137
Estrogen
female sexual behavior, 213
maternal aggression, 151
Excitation
biphasic action of ethanol, 231
Exteroceptive stimuli
maternal aggression, 151

Female mouse
maternal aggression, 151
Female sexual behavior
biogenic amines and reproductive hormones, 213

GABA
ACTH mechanism of action, 15
Gastric acid secretion
biphasic action of ethaonl, 231
Grooming
ACTH, 15
Guinea pigs
prenatal heat stress, learning and brain growth, 1

Heart rate
stress and development of hypertension, 165
Heat stress
prenatal, learning and brain growth, 1
Hippocampus geniculate
visual system evoked after-discharges, 95
Histochemical tracing methods
HRP methodology, 45
Hormone
ACTH, 15
estrogen, 151, 213
progesterone, 151, 213
Hormones
female sexual behavior, 213
Horseradish peroxidase (HRP)
status of methodology, 45
Human aggression
laboratory measurement, 241
Human agner
laboratory measurement, 241
Hunger
age and obligatory growth factor, 207

Hyperpolarization
memory formation, 113
Hypertension
development of following stress, 165
Hyperthermia
prenatal heat stress, learning and brain growth, 1
Hypothalamic stimulation
memory facilitation and reinforcement, 143
Hysterectomy
maternal aggression, 151

Indole amines
mechanisms in retrograde amnesia, 25

Jaw contraction
laboratory measurement of human anger, 241

Labile memory
memory formation, 113
Lactation
maternal aggression, 151
Learning deficit
prenatal heat stress, 1
LHRH
female sexual behavior, 213
Locomotion
amphetamine and rate-dependent effects, 87
Long-term memory
memory formation, 113

Masseter
laboratory measurement of human anger, 241
Maternal aggression
influence of the young, 151
Medial geniculate
visual system evoked after-discharges, 95
Memory
mechanisms in retrograde amnesia, 25
Mesencephalic reticular formation
visual system evoked after-discharges, 95
Metabolism
age and obligatory growth factor, 207
Methaqualone
barbiturates and alcohol consumption, 177
Methyprylon
barbiturates and alcohol consumption, 177
Micrencephaly
prenatal heat stress, 1
Mitotic blocking
prenatal heat stress, 1

Neuronal tracing methods
HRP methodology, 45
Neuroanatomical methods
HRP methodology, 45
Neurotransmitters
mechanisms in retrograde amnesia, 25
Nipple growth
maternal aggression, 151
Norepinephrine
ACTH mechanism of action, 15
biphasic action of ethanol, 231

Opiate receptors
analgesia, 137

Parenteral administration
physiological control of drinking, 261
Phenobarbital
barbiturates and alcohol consumption, 177
Phosphoprotein
ACTH mechanism of action, 15
Potassium conductance changes
memory formation, 113
Prenatal stress
learning and brain growth, 1
Progesterone
female sexual behavior, 213
maternal aggression, 151
Protein
ACTH mechanism of action, 15
Protein synthesis
memory formation, 113
Pulvinar geniculate
visual system evoked after-discharges, 95

Quantification of drug effects
ratio data in pharmacological studies, 55

Raphe nuclei
midbrain-raphe model of tonic immobility, 35
Rate-dependency
amphetamine and behavioral competition, 87
Ratios
use in analysis of variance, 225
Regulation
physiological control of drinking, 261
Regulatory deficits
physiological control of drinking, 261
Reinforcement
memory facilitation and reinforcement, 143
Reserpine
mechanisms in retrograde amnesia, 25
Retrograde amnesia
brain mechanism involved, 25
Retrograde intraaxonal transport
HRP methodology, 45
RNA
ACTH mechanism of action, 15

Saccharin
barbiturates and alcohol consumption, 177
Seizure susceptibility
biphasic action of ethanol, 231
Serotonin
ACTH mechanism of action, 15
mechanisms in retrograde amnesia, 25
midbrain-raphe model of tonic immobility, 35
Short-term memory
memory facilitation and reinforcement, 143
memory formation, 113
Sleep
midbrain-raphe model of tonic immobility, 35
Sodium pump activity
memory formation, 113
Statistical methodology
ratio data in pharmacological studies, 55, 225
Stereotypy
amphetamine and rate-dependent effects, 87
Suckling
maternal aggression, 151
Superior colliculus
visual system evoked after-discharges, 95

Taste adulteration
physiological control of drinking, 261
Taste aversion
barbiturates and alcohol consumption, 177
Temporalis
laboratory measurement of human anger, 241
Teratology
prenatal heat stress, learning and brain growth, 1
Thelectomy
maternal aggression, 151
Thirst
age and obligatory growth factor, 207
Tonic immobility
midbrain-raphe model, 35
Tryptophan
midbrain-raphe model of tonic immobility, 35

Unconditioned behavior
behavioral effects of benzodiazepines, 71

Ventral lateral genicular nucleus
visual system evoked after-discharges, 95
Visually evoked response
in visual system, 95

Weight loss
age and obligatory growth factor, 207